

LARVAE OF THE FAMILIES OF COLEOPTERA:
A BIBLIOGRAPHICAL SURVEY;
ADDENDA ET CORRIGENDA I.

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ABSTRACT

This work supplements Cornell's bibliographical survey of coleopterous families by adding 53 recent references on 53 families, including several records of described families or larvae—both living and fossil—that were previously omitted.

INTRODUCTION

In the September 1972 issue of the *Coleopterists Bulletin* (26: 81-96) J. F. Cornell presented a bibliographical survey of 183 recent papers and tabular summary of 7 well-known English language contributions on larvae of the families of Coleoptera which should be useful to every coleopterist. In order to improve the existing classification of Coleoptera in any group and at any level it would be necessary to study larvae, fossils, internal anatomy, serology, etc. A few important additions and corrections to Cornell's survey are given here, and the primitive or derivative alternatives of the distinguishing characters of larvae (and adults) of the families (and other groups) of Coleoptera are summarized elsewhere (Abdullah, 1971).

In the following list the numbers in parentheses refer to references in the terminal bibliography.

Additions and Corrections

ACANTHOCNEMIDAE (21); ANTHICIDAE (2, 25); BOGANIIDAE (44); BOSTRICHIDAE (16); BYTURIDAE (4, 7); CARABIDAE (26, 27, 28); CAVOGNATHIDAE (18, 42); CERAMBYCIDAE (35, 36); CHAETOSOMATIDAE (21); CICINDELIDAE (28); CISIDAE or CIIDAE (34); CLERIDAE (21); COCCINELLIDAE (7a, 14, 30, 31, 32, 33, 40) (Ashrafi, S. H. 1966-1968. Biology and morphology of the larva of bean beetle, *Epilachna chrysomelina* Fabricius. Zool. Dept. Publ. Karachi Univ., Pakistan); CURCULIONIDAE (50); DERODONTIDAE (15); DIPHYLLIDAE (4, 7); DYTISCIDAE (13, Baltic amber); EROTYLIDAE (41); GEORYSSIDAE (12); GLAPHYRIDAE: Crowson (210) in the 1967 reprint; HELOTIDAE: #138 of Cornell; HYBOSORIDAE: Crowson (210) in the 1967 reprint; HYDROPHILIDAE (9, 10, 11, 12, 13); HYDROSCAPHIDAE (12); LAMINGTONIIDAE (45, not known); LANGURIIDAE (43, 46); LOPHOCATERIDAE (21); LYCTIDAE (16, a subfamily of Bostrichidae); MELANDRYIDAE (51); MELYRIDAE (21); MICROMALTHIDAE (37, 39); MYCTERIDAE (24, now in Hemipeplidae); NOSODENDRIDAE (15); NOTERIDAE (5, 38 [fossils]), Crowson (201) in the 1967 reprint; PELTIDAE (19, 21); PERIMYLOPIDAE (52, 53); PEROOTHOPIDAE: ? Böving & Craighead, 1931, pl. 81, E-G, 'unidentified larva', according to Crowson (211) in the 1967 reprint;

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PHLOEOSTICHIDAE (42, 44); PHLOIOPHILIDAE (21); PHYCOSECIDAE (21); PROPALTICIDAE (23); PTILODACTYLIDAE (8); RHIPICERIDAE (22); SAROTHRIDAE (15); SCARABAEIDAE (29); SCOLYTIDAE (48, 49, evidence in favour of a subfamily of Curculionidae status); SPHAERIIDAE (12); STAPHYLINIDAE (47); TENEBRIONIDAE (1, but antennae are 3-segmented, first concealed within basement membrane and overlooked), 6; TETRATOMIDAE (17); THORICTIDAE (15); TORRIDINCOLIDAE (12); TROGOSSITIDAE (21); for similar information on fossils, see Abdullah, 1973 a (#5). This work should be read in conjunction with Cornell (1972).

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WAU ECOLOGY INSTITUTE

The Institute has renewed its request for donations. Grant reductions and the decline of the U. S. dollar have hit us hard, though we are making progress towards self support (a Bishop Museum subsidy goes to pay off existing properties and other expenses). Dormitories are now being built to house visiting classes from colleges and universities in the Territory of Papua and New Guinea. We hope to finance these with half coming from local corporations and half from gifts from the U. S. (the latter are over half subscribed). Dormitories will be open to visiting scientists as well. The unique environments in a wide altitude range make Wau a very special place for tropical ecology and other types of field work.—J. L. Gressitt, Wau Ecology Institute, P. O. Box 77, WAU, Territory of Papua and New Guinea.

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